WHAT IS CLAIMED IS:

1.   A storage management method for a computer
system including a host computer, a storage sub-system
having one or more volumes, a disk control unit
provided in the storage sub-system for controlling
operation of the storage sub-system, and a management
computer for managing configuration of the storage sub-
system, the method comprising steps of:

        registering, by the host computer, a volume
identifier, a physical address, and a group identifier
of the storage sub-system in a disk management table in
the disk control units as a result of grouping of
volumes in the storage sub-system according to a use
purpose;

        obtaining, by the disk control unit, a
physical address of a volume belonging to a same group
as a group identifier input from the management
computer from the disk management table, and notifying
information described in a volume list of a volume
allocated at the physical address to the management
computer; and

        displaying, by the management computer, the
information thus notified.

2.   A storage management method for a computer
system including a host computer, a storage sub-system
having one or more volumes, a disk control unit
provided in the storage sub-system for controlling
operation of the storage sub-system, and a management

computer for managing configuration of the storage sub-system, the method comprising steps of:

registering, by the host computer, a volume identifier, a physical address, and a group identifier of the storage sub-system in the disk management table in a disk control unit as a result of grouping of volumes in the storage sub-system according to a use purpose;

storing, by the disk control unit, information on the volume identifier and the physical address of the storage sub-system acquired at system starting in the disk management table, obtaining from the disk management table a physical address of a volume belonging to a same group as a group input from the management computer, and notifying information described in a volume list of a volume allocated at the physical address to the management computer; and

displaying, by the management computer, the information thus notified.

3.   The storage system management method according to claim 1, further comprising steps of:

storing, by the management computer, information stored in the disk management table together with a disk control unit identifier from respective disk control units to a storage device accessible by the management computer;

deciding, by the management computer, a disk control unit to which a volume corresponding to a

requested group or a volume identifier belongs, according to information stored in an accessible storage device, and requesting the disk control unit thus decided to acquire information on a volume list concerning a volume belonging to the requested group or volume identifier; and

notifying, by the disk control unit thus requested, information described in a volume list of a volume identical to a group or a volume identifier specified by the management computer to the management computer.

4.   The storage system management method according to claims 3, further comprising steps of:

notifying, by the disk control unit, information requested to be acquired from the management computer to the management computer, and notifying new information on the disk management table to the management computer; and

updating, by the management computer thus notified, an information file of the disk management table stored in the storage device accessible by the management computer to the disk management table information thus notified.

5.   A computer system comprising:

a host computer;

a storage sub-system having one or more volumes and a disk control unit; and

a management computer for managing

configuration of the storage sub-system,

wherein the host computer transmits a volume identifier, a physical address, and a group identifier of the storage sub-system as a result of grouping of volumes in a storage sub-system according to a use purpose;

wherein the disk control unit obtains a physical address of a volume belonging to a same group as a group transmitted from the management computer, and notifies information described in a volume list of a volume allocated at the physical address to the management computer; and

wherein the management computer displays the information thus notified.

6.   The computer system according to claim 5,

wherein the management computer stores information described in the disk management table together with a disk control unit identifier from respective disk control units to a storage device accessible by the management computer, and requests a disk control unit to which a volume corresponding to a requested group or a requested volume identifier belongs to acquire volume list information concerning the volume belonging to the group or the volume identifier thus requested; and

wherein the disk control unit which has received the request notifies information described in a volume list of a volume identical to the group or the

volume identifier specified by the management computer to the management computer.

7.   A computer system according to claims 6,

wherein each of the disk control units notifies information requested to be acquired from the management computer to the management computer, and notifies new information on the disk management table to the management computer; and

wherein the management computer thus notified updates an information file of the disk management table stored in the storage device accessible by the management computer to the disk management table information thus notified.

8.   A storage system comprising:

a plurality of storage devices having one or more volumes; and

a disk control unit connected to a host computer and a management computer for controlling the plurality of storage devices;

wherein the disk control unit further includes a disk management table for storing a volume identifier, a physical address, and a group identifier of a storage device as a result of grouping of volumes in the storage device according to a use purpose; and

wherein the disk control unit obtains a physical address of a volume belonging to a same group as a group transmitted from the management computer, and notifies information described in a volume list of

a volume allocated at the physical address to the management computer.

9.   A management computer comprising:

a control section; and

a storage device,

wherein the control section is constituted by a plurality of pairs of one or more volumes and a disk control unit for managing configuration of storage used by a host computer,

information described in a disk management table in a disk control unit transmitted from disk control units is stored together with identifiers of the disk control units in the storage device, a disk control unit to which a volume corresponding to a requested group or a requested volume identifier belongs is requested to acquire information on a volume list concerning the volume belonging to the group or volume thus requested, and according to information on a volume list as a response to this request, an information file of the disk management table stored in the storage device is updated to the disk management table information thus notified.

10.   A management program stored in a storage medium and executed in a management computer including a plurality of pairs of one or more volumes and a disk control device for managing configuration of a storage sub-system used by a host computer, the program comprising steps of:

storing information described on a disk management table in a disk control unit from respective disk control units together with identifiers of the disk control units into a storage device accessible by the management computer;

requesting the disk control unit to which a volume corresponding to a requested group or a requested volume identifier belongs, to acquire volume list information concerning a volume belonging to the group or the volume identifier thus requested; and

according to the volume list information as a response to the request, updating an information file in the disk management table stored in the storage device accessible by the management computer to the disk management table information thus notified.

11.   A computer system comprising:

a host computer;

a storage sub-system having one or more volumes and a disk control unit; and

a management computer for managing configuration of the storage sub-system;

wherein:

the host computer transmits a volume identifier, a physical address, and a group identifier of the storage sub-system as a result of grouping of volumes in the storage sub-system according to a use purpose,

the disk control unit obtains a physical

address of a volume belonging to a same group as a group transmitted from the management computer, and notifies information described in a volume list of a volume allocated at the physical address to the management computer,

the management computer displays the information thus notified,

the management computer stores information described in the disk management table together with a disk control unit identifier from respective disk control units to a storage device accessible by the management computer, and requests a disk control unit to which a volume corresponding to a requested group or a requested identifier belongs to acquire volume list information concerning the volume belonging to the group or the volume identifier thus requested,

the disk control unit which has received the request notifies information described in a volume list of a volume identical to the group or the volume identifier specified by the management computer to the management computer,

each of the control units notifies information requested to be acquired from the management computer to the management computer, and notifies new information on the disk management table to the management computer, and

the management table thus notified updates an information file of the disk management table stored in

the storage device accessible by the management

computer to the disk management table thus notified.